requirements of 46 CFR 32.53 or 46 CFR 153.500.

Liquid knockout vessel means a device to separate liquid from vapor.

Maximum allowable transfer rate means the maximum volumetric rate at which a vessel may receive cargo or ballast.

New vapor control system means a vapor control system which is not an existing vapor control system.

Vapor balancing means the transfer of vapor displaced by incoming cargo from the tank of a vessel receiving cargo into a tank of the vessel or facility delivering cargo via a vapor collection system.

Vapor collection system means an arrangement of piping and hoses used to collect vapor emitted from a vessel's cargo tanks and transport the vapor to a vapor processing unit.

Vapor control system means an arrangement of piping and equipment used to control vapor emissions collected from a vessel, and includes the vapor collection system and the vapor processing unit.

Vapor destruction unit means a vapor processing unit that destroys cargo vapor by a means such as incineration.

Vapor dispersion system means a vapor processing unit which releases cargo vapor to the atmosphere through a venting system not located on the vessel being loaded or ballasted.

Vapor processing unit means the components of a vapor control system that recovers, destroys, or disperses vapor collected from a vessel.

Vapor recovery unit means a vapor processing unit that recovers cargo vapor by a non-destructive means such as lean oil absorbtion, carbon bed adsorption, or refrigeration.

Vessel vapor connection means the point in a vessel's fixed vapor collection system where it connects to a vapor collection hose or arm.

[CGD 88–102, 55 FR 25429, June 21, 1990, as amended by CGD 96–026, 61 FR 33666, June 28, 1996]

§ 154.804 Review, certification, and initial inspection.

(a) A new vapor control system installation must be certified by a certifying entity as meeting the requirements of this subpart prior to operating.

(b) [Reserved]

(c) An existing vapor control system installation that has been Coast Guard approved for operation with specific vessels must be certified by a certifying entity prior to receiving vapors from other vessels.

(d) Plans and information submitted to the certifying entity must include a qualitative failure analysis. The analysis must demonstrate the following:

(1) The vapor control system is designed to permit the system to continuously operate safely when receiving cargo vapors from tankships and barges over the full range of transfer rates expected at the facility;

(2) The vapor control system is provided with the proper alarms and automatic control systems to prevent unsafe operation;

(3) The vapor control system is equipped with sufficient automatic or passive devices to minimize damage to personnel, property, and the environment if an accident were to occur; and

(4) If a quantitative failure analysis is also conducted, the level of safety attained is at least one order of magnitude greater than that calculated for operating without a vapor control system.

NOTE: The *American Institute of Chemical Engineers* publication, ''Guidelines for Hazard Evaluation Procedures'' may be used as guidance when preparing a qualitative failure analysis. Military Standard MIL–STD–882B may be used as guidance when preparing a quantitative failure analysis.

(e) The certifying entity must conduct all initial inspections and witness all tests required to demonstrate that the facility:

(1) Conforms to certified plans and specifications;

(2) Meets the requirements of this subpart; and

(3) Is operating properly.

(f) Upon receipt of written certification from the certifying entity that a facility's vapor control system complies with the requirements of this part the COTP shall endorse the letter of adequacy required by § 154.325 of this part to indicate that the facility is acceptable for collecting vapors of crude oil, gasoline blends, benzene, or any other vapors for which it is certified.

(g) Any design or configuration alteration involving a certified vapor control system must be reviewed by a certifying entity. After conducting any inspections and witnessing tests necessary to verify that the modified vapor control system meets the requirements of this subpart, the certifying entity must recertify the installation.

(h) Certifications issued in accordance with this section and a copy of the plans, calculations, and specifications for the vapor control system must be maintained at the facility.

(i) A certifying entity accepted under § 154.806 of this subpart may not certify a facility vapor control system if it was involved in the design or installation of the system.

(Approved by the Office of Management and Budget under control number 2115–0581)

[CGD 88–102, 55 FR 25429, June 21, 1990, as amended by USCG–1998–3799, 63 FR 35531, June 30, 1998]

§ 154.806 Application for acceptance as a certifying entity.

(a) An individual or organization seeking acceptance as a certifying entity must apply in writing to the Commandant (G–MSO). Each application must be signed and certified to be correct by the applicant or, if the applicant is an organization, by an authorized officer or official representative of the organization, and must include a letter of intent from a facility owner or operator to use the services of the individual or organization to certify a vapor control system installation. Any false statement or misrepresentation, or the knowing and willful concealment of a material fact may subject the applicant to prosecution under the provisions of 18 U.S.C. 1001, and denial or termination of acceptance as a certifying entity.

(b) The applicant must possess the following minimum qualifications, and be able to demonstrate these qualifications to the satisfaction of the Commandant (G–MSO):

(1) The ability to review and evaluate design drawings and failure analyses;

(2) A knowledge of the applicable regulations of this subpart, including the standards incorporated by reference in these regulations;

(3) The ability to monitor and evaluate test procedures and results;

(4) The ability to perform inspections and witness tests of bulk liquid cargo handling systems;

(5) That it is not controlled by an owner or operator of a vessel or facility engaged in controlling vapor emissions; and

(6) That it is not dependent upon Coast Guard acceptance under this section to remain in business.

(c) Each application for acceptance must contain the following:

(1) The name and address of the applicant, including subsidiaries and divisions if applicable;

(2) A statement that the applicant is not controlled by an owner or operator of a vessel or facility engaged in controlling vapor emissions, or a full disclosure of any ownership or controlling interest held by such owners or operators;

(3) A description of the experience and qualifications of the person(s) who would be reviewing or testing the systems;

(4) A statement that the person(s) who would be reviewing or testing the systems is/are familiar with the regulations in this subpart; and

(5) A statement that the Coast Guard may verify the information submitted in the application and may examine the person(s) who would be reviewing or testing the systems to determine their qualifications.

(d) The acceptance of a certifying entity may be terminated by the Commandant (G–MSO) if the entity fails to properly review, inspect, or test a system in accordance with this subpart.

NOTE: A list of entities accepted to certify facility vapor control system installations is available from the Commandant (G–MSO).

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[CGD 88–102, 55 FR 25429, June 21, 1990, as amended by CGD 96–026, 61 FR 33666, June 28, 1996]

§ 154.808 Vapor control system, general.

(a) A vapor control system design and installation must eliminate potential overfill hazards, overpressure and vacuum hazards, and sources of ignition to the maximum practical extent.